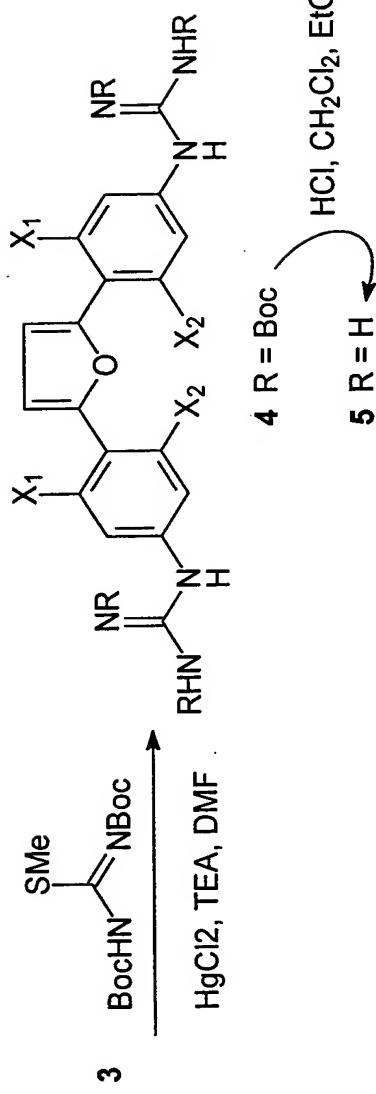


### Legend for compounds 2-5:

- (a)  $\text{Pd}(\text{PPh}_3)_4$ , 1,4-dioxane,  $\Delta$   
 (b)  $\text{H}_2$ ,  $\text{Pd/C}$ ,  $\text{EtOAc}$ ,  $\text{EtOH}$   
 (c)  $\text{SnCl}_2$  dihydrate,  $\text{EtOH}$ ,  $\text{DMSO}$   $\Delta$

a:  $X_1 = \text{H}, X_2 = \text{H}$   
 b:  $X_1 = \text{Me}, X_2 = \text{H}$   
 c:  $X_1 = \text{OMe}, X_2 = \text{H}$   
 d:  $X_1 = \text{Cl}, X_2 = \text{H}$   
 e:  $X_1 = \text{CF}_3, X_2 = \text{H}$   
 f:  $X_1 = \text{Me}, X_2 = \text{Me}$

SCHEME 1



SCHEME 2

1  
FIG.